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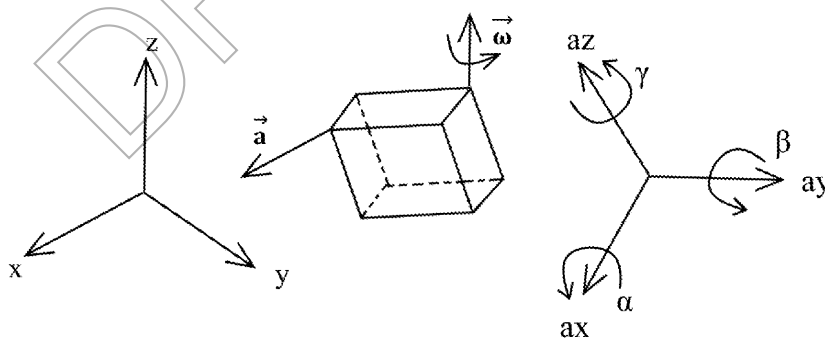
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(54) Title: AN APPARATUS FOR DRIVER BEHAVIOR ANALYSIS

[Fig. 4]



$$S_{\text{final}} = \sum_0^{t_{\text{reading}}} \int_0^t f(\vec{a}, \vec{\omega}) dt$$

(57) Abstract: This invention relates to driver behavior analysis for safety proposes and more particularly discloses an apparatus for providing a score for insurance risk estimation and management. The apparatus comprises a microcontroller, an enclosure, an accelerometer and gyroscope sensor, an e-ink display, a solar cell, an initialization key, and the microcontroller measures the acceleration and rotation by means of the accelerometer and gyroscope sensor, and calculates an score based on a predefined formula, and the apparatus shows the time and score on the e-ink display by means of a QR-code, and the apparatus is placed on the rear or back window of a car.





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